

B) Amendments to the Specification:

On page 23, between lines 24 and 25, insert the following new paragraph:

- - As shown in Table 2 [1k], the outlet gas of the second reforming reactor contains 27.5mol% CH₄, 1.0mol%CO and 45.7mol% H₂O. Excluding H₂O, the yields of CH₄ and CO are as follows:

$$\text{CH}_4: \{27.5/(100-45.7)\} \times 100 = 50.6 \text{ [mol\%]}$$

$$\text{CO} : \{1.0/(100-45.7)\} \times 100 = 1.8[\text{mol\%}] - -$$

On page 27 of the specification insert the following new paragraph between lines 5 and 6:

- - As shown in Table 3 [2d], the outlet gas of the reforming reactor contains 49.6mol% CH₄, 0.0mol% CO and 32.8mol% H₂O, Excluding , H₂O, the yields of CH₄ and CO are as follows:

$$\text{CH}_4: \{49.6/(100-32.8)\} \times 100 = 73.8 \text{ [mol\%]}$$

$$\text{CO} : \{0.0/(100-32.8)\} \times 100 - 0.0 \text{ [mol\%]} - -$$

Insert the following new paragraph on page 30 between lines 5 and 6 of the specification:

- - As shown in Table 4 [3h], the outlet gas of the reforming reactor contains 42.0mol% CH₄, 0.0mol% CO and 41.6mol% H₂O. Excluding H₂O, the yields of CH₄ and CO are as follows:

$$\text{CH}_4: \{42.0/(100-41.6)\} \times 100 = 71.9 \text{ [mol\%]}$$

$$\text{CO} : \{0.0/(100-41.6)\} \times 100 = 0.0 \text{ [mol\%]} - -$$